Applications are invited from motivated and eligible candidates for the position of **Junior Research Fellow (JRF)** in the SERB-DST Govt. of India sponsored project, in the Department of Biotechnology, OUTR Bhubaneswar. This temporary position is initially for a period of six months and tenable only for the duration of the project. The requisite qualification, experience, etc. are given below:

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| 1 | Title of the Project  | Computational and Experimental Investigation of the Role of Erythrocyte in Local Metabolic Control of Coronary Blood Flow. |
| 2 | Duration of the Project | 3 Years |
| 3 | No of Vacancies | 01 |
| 4 | Funding Agency | SERB, DST Govt. of India |
| 5 | Principal Investigator | Dr. Ranjan Kumar Pradhan |
| 6 | Minimum Qualification  | M.Tech/M.E. in Biotechnology/Biomedical Engineering/Mechanical Engineering/Electrical Engineering/Chemical Engineering/Computer Science Engineering/Communication Engineering/Instrumentation Engineering with minimum 60% marks or equivalent CGPA; MSc Biochemistry / Biotechnology/Chemistry with minimum 60% marks or equivalent CGPA and minimum 1 year experience in **DST, Odisha/CSIR/SERB** funded projects in the relevant area. |
| 7 | Desired Qualification | i) GATE/NET qualified candidates with valid score will be preferred.ii) Sound knowledge of Numerical Methods and Computer Programming in any of the scientific computing languages (MATLAB/C/C++/R), and Prior Research Publication (Optional). iii) Candidates already having PhD/research experience in Mathematical Modeling of Biological Systems, 2D/3D modeling using Fluent-ANSYS/COMSOL, and ODE-based Biophysical & Biochemical Modeling or having Wet-Lab experience in Enzymatic/Biochemical assays, Red Blood Cell handling & cell culture will be given due priority.  |
| 8 | Salary | Rs. 31000/- per month (consolidated for first 2 years) and Rs. 35000/- per month (consolidated for 3rd year) |
| 9 | How to Apply | Eligible candidates may apply with their CV and a cover letter to Dr. Ranjan Kumar Pradhan by email: **rkpradhan@cet.edu.in** |
| 10 | Last date of application | **30st March 2022** |
| 11 | Interview Procedure | Short-listed applicants will be invited (via email) for personal interview to be held in the Biotechnology Department, OUTR, Bhubaneswar |
| 12 | PhD opportunity | Selected candidate will get an opportunity for admission to OUTR PhD program subject to the clearance of PhD admission test and procedure. |
| 13 | Documents to Produce on date of interview | A detailed Bio-data, all original certificates and mark sheets (starting from 10th to M.Tech/MSc) for verification. Must submit 2 set of photo copies of Adhar Card, GATE/NET Score card and other relevant documents in support of any research/publication/project experience and the degree certificates. |
| 14 | Institute Rights | Institute reserves the right of cancelling the requirements without assigning any reason. A suitable committee by PI will review the progress of the selected candidate on time-to-time basis to access the progress made. |
| 15 | More Information | 1). No TA/DA will be paid for attending the campus interview.2). For other queries, contact **Dr. R. K. Pradhan at rkpradhan@cet.edu.in** |